

ABSTRACT

GLASS FOR LASER PROCESSING

5 A glass for laser processing that is processed through laser beam
irradiation, wherein the glass for laser processing has a composition that
satisfies the following relationships:

$$40 \leq M[\text{NFO}] \leq 70;$$

$$5 \leq (M[\text{TiO}_2]) \leq 45; \text{ and}$$

10 $5 \leq M[\text{NMO}] \leq 40,$

where M[NFO], M[TiO₂], and M[NMO] denote the content by percentage of
network forming oxides (mol%), that of TiO₂ (mol%), and that of network
modifying oxides (mol%), respectively. With this structure, a glass for laser
processing is obtained in which not only the vicinity of the surface thereof but
15 also the inner portion thereof can be laser-processed.